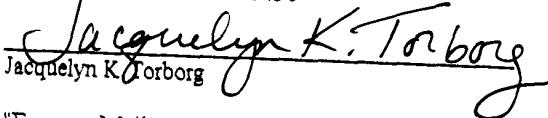


MOLECULAR ROTARY NANOMOTOR AND METHODS OF USE

Abstract

A molecular rotary nanomotor useful for translocating polynucleotides. The
5 nanomotor is a multimolecular complex fueled by ATP hydrolysis. One of the motor
components is an ATP-binding RNA molecule that participates in ATPase activity.

CERTIFICATE UNDER 37 C.F.R. 1.10:	
The undersigned hereby certifies that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR §1.10 on the date indicated below and is addressed to the Mail Stop Patent Application, Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450	
 Jacquelyn K. Torborg	
"Express Mail" mailing label number: EV073737437US	
Date of Deposit: <u>11</u> September 2003	